

ATTORNEY DOCKET NO.

11321-P054WOUS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In application of: James M. Tour et al.

Serial No.: 10/521,903

Filing Date: July 15, 2003

Art Unit: 1754

Examiner: N/Y/A

Title: *Process for Functionalizing Carbon Nanotubes Under Solvent-Free Conditions*

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

UNDER 37 C.F.R. § 1.97(b)

Applicant hereby submits this Supplemental Information Disclosure Statement and following references in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of the references cited in the attached PTO/SB/08B are enclosed for the examiner's reference. Furthermore, pursuant to 37 C.F.R. § 1.97(g) and (h), no representation is made that this is material to patentability of the present application or that a search has been made.

Applicant hereby submits that claims of Applicant's referenced patent application are patentably distinguishable from these references.

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Applicant does not believe that any fees are due at this time; however, the Director of Patents and Trademarks is hereby authorized to charge any fees relating to this Information Disclosure Statement under 37.CFR § 1.17 to Deposit Account No. 23-2426 of WINSTEAD SECHREST & MINICK P.C. (referencing matter 11321-P054WOUS).

Respectfully submitted,

Date: 6 September 2007

Victor Behar
Victor Behar, Reg. No. 60,691

AGENT FOR APPLICANT

WINSTEAD PC
P.O. Box 50784
Dallas, Texas 75201
Phone: 713.650.2632
Fax: 214.745.5390

CERTIFICATE OF MAILING

I hereby certify that the attached *Information Disclosure Statement* and cited art are being deposited with the USPS, with sufficient postage as first class mail, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this the 6th day of September 2007.

September 6, 2007 Cherita Grimstead
Date Cherita Grimstead

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PTO/SB/08A (04-03)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

6

Complete if Known

Application Number	10/521.903
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Filing Date	July 15, 2003
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First Named Inventor	James M. Tour
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Art Unit	1754
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Examiner Name	Unknown
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Attorney Docket Number	11321-P054WOUS
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
	1	WO 02/060812	08/08/02	Tour et al.		
	2	WO 98/39250	09/11/98	Smalley et al.		
	3	WO 00/26138	05/11/00	Smalley et al.		
	4	WO 01/30694	05/03/01	Smalley et al.		

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		Application Number	10/521,903		
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		First Named Inventor	James M. Tour		
		Art Unit	1754		
		Examiner Name	Unknown		
Sheet	2	of	6	Attorney Docket Number	11321-P054WOUS

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	5	Ebbesen et al., "Large-scale synthesis of carbon nanotubes" 358 Nature (1992), pp. 220-222	
	6	Ebbesen et al., "Carbon Nanotubes", 24 Annual Review of Materials Science (1994), pp. 235-264	
	7	Iijima et al., "Helical microtubes of graphitic carbon" 354 Nature (1991), pp. 56-58	
	8	Saito et al., Physical Properties of Carbon Nanotubes, 1998, London: Imperial College Press	
	9	Sun et al., "Creating the narrowest carbon nanotubes" 403 Nature (2000), pg. 384	
	10	Qin et al., "Electron Microscope imaging and contrast of smallest carbon nanotubes", 349 Chem. Phys. Lett. (2001), pp. 389-393	
	11	Wang et al., "The smallest carbon nanotube", 408 Nature (2000), pp. 50-51	
	12	Hafner et al., "Catalytic growth of single-wall carbon nanotubes from metal particles" 296 Chem. Phys. Lett. (1998), pp. 195-202	
	13	Cheng et al., "Bulk morphology and diameter distribution.." 289 Chem. Phys. Lett. (1998), pp. 602-610	
	14	Nikolaev et al., "Gas-phase catalytic growth of single-walled carbon nanotubes.." 313 Chem. Phys. Lett. (1999), pp. 91-97	

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	15	Thess et al., "Crystalline Ropes of Metallic Carbon Nanotubes" 273 Science (1996), pp. 483-487	
	16	Vander Wal et al., "Flame and furnace synthesis of single-walled and multi-walled carbon nanotubes...", 105 J. Phys. Chem. B. 42 (2001), pp. 10249-10256	
	17	Rao, et al., "Functionalised carbon nanotubes from solutions" Chem. Commun. (1996), pp. 1525-1526	
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	21	Aihara, "Lack of Superaromaticity in Carbon nanotubes", 98 J. Phys. Chem. (1994), pgs. 9773-9776	
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	24	Banerjee et al., "Rational Chemical Strategies for Carbon Nanotube Functionalization", 9 Chem. Eur. J.(2003), pgs. 1899-1908	

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	25	Holzinger et al., "Sidewall Functionalization of Carbon Nanotubes", 40 Angew. Chem. Int. Ed. 21 (2001), pp. 4002-4005	
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	29	Meier et al., "Addition of Nitrile Oxides to C60: Formation of Isoxazoline Derivatives of Fullerenes", 58 J. Org. Chem. (1993), pgs. 4524	
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	33	Jost et al., "Diameter grouping in bulk samples of single-walled carbon nanotubes from optical absorption spectroscopy", 75 J. Appl. Phys. Lett. (1999), pgs. 2217-2219	
	34	Wu et al., "Finite size effects in carbon nanotubes", 77(16) Appl. Phys. Lett. (2000), pgs. 2554-2556	

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	35	Richter et al., "Theory of Size-Dependent Resonance Raman Scattering from Carbon Nanotubes", 79 Phys. Rev. Lett., Science (1997), pgs. 2738-2740	
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	41	Niyogi et al., "Chemistry of Single-Walled Carbon Nanotubes", 35 Acc. Chem. Res. (2002), pgs. 1105-1113	
	42	Hirsch, "Functionalization of Single-Walled Carbon Nanotubes", 41, No. 11, Angew. Chem. Int. Ed., (2002), pgs. 1853-1859	
	43	Meier et al., "Benzyne Adds Across a Closed 5-6 Ring Fusion in C70: Evidence for Bond Delocalization in Fullerenes", 120 J. Am. Chem. Soc. (1998), pgs. 2337-42	
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